



Highlights of Accomplishments & Impacts FY10



Thought/Policy Leadership

- Combined expertise of 14 CENDI agencies makes it a “go to” place for technical input to STI policy issues
- CENDI prepared an STI White Paper that frames policy challenges and opportunities
 - For transition
 - Updated for OSTP
- CENDI was invited as only observer to the House Science Committee Roundtable on Open Access
- Data.gov Senior Advisory Board requests CENDI representation (Margo Schwab)
- NITRD discusses opportunities for cooperation on Content
- IWGDD invites CENDI to be a TAG
- NAS/NRC views CENDI as a federal liaison organization



Policy WG Keeps Members Informed

- Bridge the gap between CENDI content and technology (CIO) date calls
- Public Access was a key topic
 - Regular updates with ARL/SPARC
 - Reauthorization of America Competes with Open Access
 - FRPAA
 - House Science Roundtable
 - OSTP RFI and Administration position – CENDI advice to implementation
- Open Government directive reviewed
 - Open government plans analyzed
- Tracking *America Competes Act* as high profile legislation for FY08
 - STEM Education
- E-Government Act implementation
- Input to Section 108 of Copyright Act
 - To include "governmental bodies" in exemption criteria
- Issued technical statement on Digitization as a Preservation Format



COPs /CENDI Partner to Encourage Openness and Cooperation

COP	ORGANIZATION
STI	ICSTI (CENDI Partner)
STI	NFAIS (CENDI Partner)
Scientific Data	NSTC IWGDD
Academia / Science / Data	BRDI
Data	CODATA
Science; computing STI, Science Policy	AAAS
Information Science	NKOS
Industry / Laboratories	FLC / NIST
Libraries; Academia; Information Policy	ARL / SPARC
Libraries; Academia	CNI
Copyright	OGC Forum
Digitization	FLICC FADGI & Preservation



Cooperating Organizations Participation

CATEGORY	# Programs & Offices		
	FY 08	FY 09	FY 10
Legal and Policy	3	6	6
Legislative Branch	3	8	12
Judicial Branch	2	3	7
Executive Mission	40	56	98
Interagency	2	2	5
Non-gov't Organizations	19	23	24
Academia	4	19	25
Private	35	21	44
International	9	11	9
TOTALS	117	149	230



Policy Leaders Meet with CENDI Advice is Sought; Expertise is Shared

ORGANIZATION	CONTACT	AREA
OSTP	Chris Greer	Data; Cyber
OSTP	Diane DiEuliis	Open Access
OSTP	Kei Koizumi	R&D Dashboard
OSTP	Beth Noveck	Open Government
OMB	Margo Schwab	Data.gov
Obama Transition Team	Bruce McConnell Jane Griffiths	STI
Senate	Katherine Coughlin	Open Access
House	Adam Sedgewick	E-Government RIP



CENDI Open Meetings Get High Marks for Educating on Technologies

TOPIC	ORGANIZATION	CONTACT
Cloud Computing	Lockheed Martin	Melvin B. Greer
Crowd Sourcing and the Cloud	NIST	Timothy Grance
Mobile Computing	NLM	Loren Frant
Interactive Publishing	NLM	Michael Ackerman
The Grid, the Cloud, and the Internet of Things	Georgetown University	Mike Nelson
Cyberinfrastructure	NSF	Ed Seidel, Daniel Atkins
Fourth Mode of Science	NSF, Rutgers Univ	Haym Hirsh
Agency Use of Social Media	Library of Congress	Michelle Springer
Deep Indexing	ProQuest	Mark Hyer



CENDI Open Meetings Get High Marks for Networking and Connecting (cont. on next)

ORGANIZATION	CONTACT	TOPIC
NITRD	George Strawn	Overview and Opportunities for Cooperation
Johns Hopkins University	Sayed Choudhury	Creating Sustainable Digital Infrastructure
Science of Science and Innovation Policy, NSF	Julia Lane	Measuring the Effect of Research on Innovation, Competitiveness, and Science
Plexus Institute	Lisa Kimball	Complexity Science
Com Score Networks	Lara Fisher	Metrics and Evaluation of Website Usage



CENDI Open Meetings Get High Marks for Networking and Connecting (cont. from last)

ORGANIZATION	CONTACT	TOPIC
NGA	Norman C. Andersen	FGDC Geospatial Metadata Standard
Google	John Lewis (JL) Needham	Partnering with Google
Internet Archives	Linda Frueh	Current Initiatives and Future Plans
Coalition for Networked Information	Clifford Lynch	Impacts and Changes on the Horizon for Scientific Communications and STI
NISO	Todd Carpenter	Improving Metadata – Strategies and Standards
National Science Digital Library (NSDL)	Dave McArthur	Status and Future Developments



Sharing Information on Current Operations – From Task Group to Special Topic

- Task Groups (Charters)
 - Institutional Repositories
 - Research Funding and SBIRs
- Special Topics (Ad Hoc)
 - Automated Harvesting of Metadata
 - Semantic Technologies
 - Personally Identifiable Information
 - Web Harvesting and Crawling
 - Implementing Open Archive Initiative
 - Social Software
 - Search and the Impact of GYM
 - Digitization of Legacy Collections



Workshops Provide Cost Effective Educational Opportunities

TOPIC	DATE	ATTENDANCE
Mobile Computing: Delivering Content to the Research Community	11/10	
The Semantic Web: Fact or Myth	11/09	130 attendees
Scientific Data Management	6/10	87 feds+ 25 agencies
Open Source Software and Copyright: Legal and Business Considerations for Government Use	7/10	>120 attendees
Knowledge Organization Systems: Managing the Future	10/09	66 attendees
Seminar Series on Issues and Answer in Digitization (with FLICC and FADGI)	On-going	



CENDI Best Seller and New Publications

- **Frequently Asked Questions About Copyright and Computer Software -- Released November 2009, (3,440 requests)**
- **Frequently Asked Questions About Copyright: Issues Affecting the US Government -- Revised March and August 2007, August 2008 (~25,000 hits)**
- **Guide to Distribution Limitation Markings of CENDI Agencies (Update to 1987 Version) -- Revised August 2007 and February 2009**
- **Creating and Preserving Digital Repositories: A Survey of CENDI Activities -- Completed June 2007**
- **Formats for Digital Preservation: A Review of Alternatives and Issues -- Completed March 2007; Version published in Information Services and User, August 2007**



Additional Operational Contributions

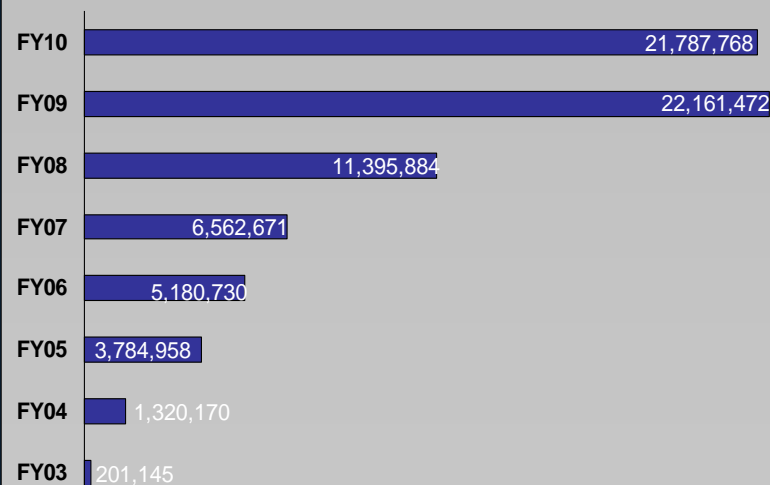
- Mapping of SKOS files across 3 agencies
- Legacy collections survey of material to be digitized by CENDI agencies; comparison to FLICC survey
 - FLICC/FADGI survey of infrastructures used
- Metadata schemes for images from 3 agencies mapped with extended interest for ICSTI



Science.gov's Continued Success

- Annual source queries exceed 21.7M
- Named one of top 10 gov't websites by GCN
- RSS feeds from 11 federal agencies compiled and displayed in real time
- Internships and fellowships section made searchable
- Image search prototype developed
- New databases added
- Library Journal named Science.gov as a 2006 Top Web Reference
- Science.gov model used to launch Worldwidescience.org
 - Multi-lingual search

Science.gov Source Query Totals (Dec 02 - Jul 10)





CENDI Interests in “Data” – A Case Study

- E-Science -- Data Intensive Science
- Interactive publications
- Technical and policy issues surrounding the management of scientific data – learn from documentation experience
- Joint sponsorship of scientific data management workshop – Held June 29-July 1, 2010
- Monitor activities on new types of content
- Data Citation and DOIs (with CODATA)



CENDI Meritorious Service Awards

Ending on Happy Notes!

2010



Vakare Valaitis, DTIC, was honored with the CENDI Award of Meritorious Service in recognition of her service as the Multiagency Coordinator and her continued enthusiasm for CENDI activities.

Dr. Walter Warnick, Director of the Office of Scientific and Technical Information (OSTI) and DOE CENDI Principal, was given the award for his long-standing history of service and support of CENDI and, in particular, CENDI's Science.gov initiative.



Acronyms

ARL – Association of Research Libraries
BRDI – Board on Research and Data Information
CNI – Coalition for Networked Information
CODATA – Committee on Data
DHS – Department of Homeland Security
DOIs – Digital Object Identifiers
FADGI – Federal Agencies Digitization Guidelines Initiative
FAQ – Frequently Asked Questions
FRPAA -- Federal Research Public Access Act
FLICC -- Federal Library and Information Center Committee
GNC – Government Computer News
ICSTI – International Council for Scientific and Technical Information
IEEE – Institute of Electrical and Electronics Engineers
IWGDD -- Interagency Working Group on Digital Data
NAS -- National Academies of Science

NFAIS – National Federation of Advanced Information Services
NIST – National Institute of Standards and Technology
NITRD -- Networking and Information Technology Research and Development
NKOS -- Networked Knowledge Organization Systems
NLM – National Library of Medicine
NSTC – National Science and Technology Council
OMB – Office of Management and Budget
OSTP – Office of Science and Technology Policy
RSS – Rich Site Summary
SKOS – Simple Knowledge Organization Systems
SPARC -- Scholarly Publishing and Academic Resources Coalition
STEM -- Science, Technology, Engineering, and Mathematics [Education]
STI – Scientific and Technical Information
TAG – Technical Advisory Group